

CLAIMS

1. A device for carrying a load on one's back and for  
5 adjusting the position of said load, of the type  
comprising a back frame (1) on which is positioned  
a carrying harness (2), which comprises two means  
of positional control and adjustment (M1 - M2),  
made using manual remote controls, that are  
10 independent of one another and that allow the  
position of the back frame to be adjusted with  
respect to the carrying harness, the first means  
(M1) allowing the back frame to be raised with  
respect to the harness and the second means (M2)  
15 allowing the back frame to be lowered with respect  
to the harness, and in which the back frame is  
designed to receive an endless belt (5) arranged in  
its median longitudinal plane, said belt being  
secured by a strand to the carrying harness and  
20 allowing the back frame to move relative to the  
harness via the positional control and adjustment  
means (M1 - M2), and in which a locking mechanism  
(11) tensioned by the second control means (M2)  
acts and locks the endless belt (5) in position or  
25 releases it according to the desired phases of  
movement, and in which said control means (M2)  
includes a strap, one end (6a) of which is secured  
to the connecting belt (5) and to the harness and  
the other end of which is designed to form the  
30 control handle, said strap passing over the locking  
mechanism (11), bearing on the latter and actuating  
it.
2. The device as claimed in claim 1, wherein the first  
35 adjustment means (M1) comprises a non-elastic  
pulling means (4), a first end (4a) of which is  
located on the lower part of the back frame with a  
gripping means (4b), the other end (4c) being fixed  
to the harness.

3. The device as claimed in claim 1, wherein the endless belt (5) is kept tensioned but is free to roll and is positioned with respect to a first, upper return means (7) fixedly located on the upper part of the bag back part and to a second, lower return means (8) fixedly located on the lower part of the back frame.
4. The device as claimed in claim 3, wherein the upper return means (7) comprises a shell part (7d) with, between the wings (7b), a lower pin (7a) for holding the connecting belt (5) and an upper pin (7g) for returning the strap (6); and wherein, between the pins (7a-7g), there is a pin (7f) around which is pivotably mounted the locking mechanism (11) formed of a lever pivoting in opposition to an elastic return means, said lever being oriented such that it has a serrated profiled shape (11a) in contact with and pressing on the facing part of the endless belt (5), and an extension arm (11b) offsetting the strap (6) when the mechanism is not tensioned.
5. The device as claimed in claim 4, wherein the strap (6) has one end (6a) secured to the harness (2) and to the connecting belt (5) and another end (6d) associated with a gripping and pulling tongue (13), said strap passing over the locking mechanism (11) and being arranged between the back frame and the rear strand of the connecting belt.
6. The device as claimed in claim 4, wherein the lower end of the connecting belt (5) is mounted around a pin (8a) of a buckle fastening, said fastening including a second pin (8b) around which is wound a loop (9) whose lower end (9a) is secured to the back frame.

7. The device as claimed in claim 4, wherein the return means (12) of the hairpin spring type is mounted on the pin (7f) for articulation of the lever, and wherein one of the legs (12a) bears on a bearing wall (7h) formed by the return means (7) and the other leg (12b) bears on the rear face of the extension (11b).
8. The device as claimed in claim 4, wherein the strap (6) return pin (7g) has a domed or conical shape allowing the strap (6) to be oriented in an oblique position with respect to the endless belt (5), said strap having a width adapted to the profile of the pin.
9. The device as claimed in claim 1, wherein the strap (6) has its free-end strand with an end (6b) for coupling with the control handle of the means (M2), being made in the form of a gripping tongue (13) in elastomeric material.
10. The device as claimed in claim 1, wherein the strap (6) has, over part of its length, at the point where it passes through and around the return means (7), a graduated scale (14) defining, with respect to a reference index (15) made using the return means (7), relative positions of the bag back part and the harness.
11. The device as claimed in claim 10, wherein the return means (7) can receive a cover (16) for protecting the locking mechanism (11), and wherein the front face of the cover has a window (16b) opposite the strap (6) and its graduated scale, the reference index being borne by the cover.
12. The device as claimed in any one of claims 1 to 11, which can be applied to travel luggage.

13. The device as claimed in any one of claims 1 to 11,  
which can be applied to backpacks for outdoor  
pursuits.
- 5 14. The device as claimed in any one of claims 1 to 11,  
which can be applied to schoolbags.
15. The device as claimed in any one of claims 1 to 11,  
which can be applied to baby carriers.